

**IN THE ABSTRACT OF THE DISCLOSURE:**

Please replace page 16 of the translation with the attached unnumbered page containing an Abstract of the Disclosure.

**IN THE CLAIMS:**

5 Please cancel claims 1-6 on Amended Sheets 14 and 15, without prejudice, and add the following claims:

10 --7. (New) An optical transmission system comprising a fixed number of optical fiber line sections of virtually the same length with each section including an optical fiber and a dispersion compensation unit, each dispersion compensation unit having virtually the same compensation value, which is determined starting from dispersions selected from a calculated accumulated residual dispersion and an estimated accumulated residual dispersion for an at least virtually uniformly distributed undercompensation of the fiber dispersion of the fixed number of optical fiber line sections.--

15 --8. (New) An optical transmission system according to claim 7, wherein the dispersion compensation units are provided for compensating the fiber dispersion of all the optical fiber line sections.--

20 --9. (New) An optical transmission system according to claim 8, wherein a fiber line section having an optical fiber and a dispersion compensation unit implements an optical transmission module.--

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--13. (New) An optical transmission system according to claim 7, wherein a fiber line section having an optical fiber and a dispersion compensation unit forms an optical transmission module.--

--14. (New) An optical transmission system according to claim 13, wherein the optical transmission system can be formed from a plurality of optical transmission modules arranged in series.--

--15. (New) An optical transmission system according to claim 14, wherein the optical fibers of the fiber line sections have a minimum length of 20 kilometers.--

--16. (New) An optical transmission system according to claim 15, wherein a bidirectional data transmission can be implemented via the fiber line sections.--

--17. (New) An optical transmission system according to claim 7, wherein a bidirectional data transmission can be implemented via the fiber line sections.--

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--18. (New) An optical transmission system according to claim 7, wherein the optical fibers of the fiber line sections have a minimum length of 20 kilometers.--

--19. (New) An optical transmission system according to claim 18, wherein a bidirectional data transmission can be implemented via the fiber line sections.--

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